



NFPA FIRE HAZARD SYMBOL  
See NFPA 704 for detailed explanation.

# MATERIAL SAFETY DATA SHEET

No.: 3251 Rev. No.: 1  
Date Prepared: 07/17/85

# Manville

## I. PRODUCT IDENTIFICATION

Trade Name(s): INSULKOTE ET-WINTER GRADE  
Generic Name: WATER-ASPHALT EMULSION  
Chemical Name: INORGANICS MIXTURE

CAS #: NONE ASSIGNED  
Formula: MIXTURE

Manufacturer: MANVILLE BUILDING MATERIALS CORP.  
Address: P.O. BOX 5108  
City: DENVER

State: CO Zip: 80217

Telephone: (303)978-3120  
Emergency:

## II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL and TLV (except as noted)
WATER	7732-18-5	40	
LIMESTONE	1316-65-3	25	
EMULSIFIED ASPHALT	8052-78-9	16	
CLAY	1302-78-9	5	
MAN-MADE REINFORCING FIBERS.	NONE	4	
CARBON BLACK	1333-86-4	1	Y
METHANOL	67-56-1	9	200PPM.

## III. PHYSICAL DATA

Appearance and Odor: BLACK SEMI-LIQUID MASTIC - METHANOL

Boiling Point: 212°F

Vapor Pressure: 23.7 mmHg @212°F

Water Solubility (%): >40

Vapor Density (Air=1): NA

Evaporation Rate (WATER = 1): 1

Specific Gravity (water = 1): 1.2

Melting Point: NA

% Volatile by Volume: 60

## IV. FIRE AND EXPLOSION DATA

Flash Point (Method): 110°F (PMCC)

Flammable Limits: LEL: NA % UEL: NA %

Extinguishing Media: CO<sub>2</sub>, WATER FOG, FOAM

Unusual Fire or Explosion Hazards: NONE

NFPA Flammable/Combustible Liquid Classification: NA  
Auto-Ignition Temperature: NA

Special Fire-Fighting Procedures: IN A FIRE, DRIED MATERIAL WILL PRODUCE DENSE SMOKE AS ASPHALT. USE SELF-CONTAINED BREATHING APPARATUS.

## V. HEALTH HAZARDS A. Summary/Risks

Summary: METHANOL IS A LOW ACUTE TOXIN WHICH CAN AFFECT THE CNS AND CAUSE BLINDNESS.

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP, IARC AND OSHA.

Medical conditions which may be aggravated: NONE CURRENTLY KNOWN.

Target Organ(s): CNS, GI SYSTEM, EYES, SKIN

Acute Health Effects: MAY CAUSE INTOXICATION, AND DEVELOP NAUSEA, ABDOMINAL PAIN AND HEADACHE.

Chronic Health Effects: CAN AFFECT CNS AND BLINDNESS.

Primary Entry Route(s): INGESTION, INHALATION, SKIN ABSORPTION.

## V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: CAN CAUSE VISUAL DISTURBANCE.

Skin Contact: CAN PRODUCE DEFATTING AND A MILD DERMATITIS.

Skin Absorption: METHANOL CAN BE ABSORBED THRU THE SKIN. EXCESSIVE METHANOL ABSORPTION MAY CAUSE DAMAGE TO CNS.

Ingestion: MAY CAUSE DAMAGE TO CNS AND BLINDNESS.

Eyes: CAN CAUSE IRRITATION OR INFLAMMATION.

## V. HEALTH HAZARDS C. First Aid/Emergency Procedures

Inhalation: REMOVE TO FRESH AIR. CONSULT A PHYSICIAN.

Skin Contact: FLUSH WITH WATER PROMPTLY.

Skin Absorption: FLUSH WITH WATER PROMPTLY.

Ingestion: GIVE LARGE QUANTITY OF WATER AND INDUCE VOMITING. CONSULT A PHYSICIAN.

Eyes: FLUSH WITH COPIOUS QUANTITIES OF WATER.

## VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: MAY REACT WITH STRONG OXIDIZING MATERIALS.

Conditions to Avoid: DIRECT FLAME OR HEAT.

Hazardous Decomposition Products: CO, CO<sub>2</sub> AND OTHER HYDROCARBONS.

## VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: SCRAPE OR WIPE UP EXCESS. FLUSH AREA WITH WATER AND MOP UP.

Waste Management: PLACE WASTE MATERIALS IN DISPOSABLE CONTAINERS AND BURY IN AN APPROVED LANDFILL. COMPLY WITH 40 CFR, CHAPTER 1, PART 61.

## VIII. SPECIAL PROTECTION INFORMATION

Goggles: SAFETY GLASSES OR GOGGLES ARE RECOMMENDED.

Gloves: RUBBER OR WATER-PROOF TYPE, ARE RECOMMENDED.

Respirator: USE RESPIRATOR SUCH AS MSA 448975 OR EQUIVALENT FOR PROTECTION AGAINST ORGANIC VAPORS.

Ventilation: USE ADEQUATE VENTILATION TO CONTROL METHANOL VAPORS TO BELOW PEL/TLV.

Other: NA

Special Considerations for repair/maintenance of contaminated equipment: USE PROPER PROTECTION WHEN HIGH METHANOL VAPORS ARE SUSPECTED.

## IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: NA

\*\*\* ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS \*\*\*

Special Handling/Storage: KEEP CONTAINERS TIGHTLY COVERED WHEN NOT IN USE. DO NOT STORE NEAR HEAT.

Special Workplace Engineering Controls: NOT NORMALLY REQUIRED.

Other: NA

Prepared/Revised by: KENNETH A. ROBERTS

Title: MGR., ENVIRONMENTAL SERVICES

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